

CONIPUR 106 (N)

Two Component, Solvent Free PUR Adhesive

Product description

CONIPUR 106 (N) is a thixotropic, two-component PUR adhesive.

Fields of application

CONIPUR 106 (N) has been developed for the installation of synthetic turf pitches.

CONIPUR 106 (N) is suitable for the bonding of construction joints of synthetic turf and of line markings on special seam tapes.

Properties

CONIPUR 106 (N) is thixotropic, has a long pot life and is easy to apply.

Technical Data

Mixing ratio	in parts by weight		100 : 10
Density	component A, at 23 °C	g/cm ³	approx. 1.74
	component B, at 23 °C	g/cm ³	approx. 1.22
	mix, at 23 °C	g/cm ³	approx. 1.67
Viscosity	mix, at 23°C	mPas	thixotropic
Consumption	at application width of 25cm	g/lm	approx. 500
Pot Life	at 23 °C	min	approx. 57
Substrate and application temperature	minimum	°C	10
	maximum	°C	30
Permissible relative humidity	maximal	%	80
Shore D hardness	after 24 h at 23 °C and 50 % relative humidity		39
	after 4 d		49
<i>Above figures are guide values and must not be used as a base for specifications!</i>			

Application method

CONIPUR 106 (N) is supplied in the correct proportions of component A (resin) and component B (hardener).

The optimal **temperature** of the material before and during application is between 15 and 25 °C.

The **temperature** of the **substrate** must be at least 5 °C above the current dew point temperature.

Pour component B into component A and ensure that the pail containing component B is emptied completely.

To achieve a homogenous consistency, both components must be thoroughly mixed with a slowly rotating mixing device at about 300 rev/min. Ensure that the mixing device reaches side and bottom areas of the mixing vessel.

The **mixing** process ought to take **at least 3 minutes** and must be performed until the blend is **homogenous** and streak free.

Then **pour** the mix **into** another **clean pail** and mix it again for 1 additional minute.

After folding back the laid synthetic turf, the thixotropic material is applied with a notched trowel or a machine especially designed for this purpose.

The synthetic turf is laid onto the adhesive and **pressed** firmly in order to coat the back of the turf and the tape fully.

When the adhesive starts to bond pressure has to be exerted on the bonded joint areas using a roller.

The **consumption** depends on the substrate and surface structure, as well as on material and ambient temperature.

The working life and curing time of CONIPUR 106 (N) is influenced significantly by the material, substrate and ambient temperature. At low temperatures, the chemical reactions are generally slowed down; this lengthens the pot life, re-coating interval and open time. At the same time, the viscosity increases which leads to a higher consumption. High temperature and humidity accelerate chemical reactions so that the time frames mentioned above are shortened accordingly.

To fully cure CONIPUR 106 (N) the medium temperature of the substrate may not fall below the lowest subject- and application temperature

After the application, the material must be protected from direct contact with water (rain) for approx. 10 hours (at 15° C).

CONIPUR 106 (N) must **not** be used on **damp/wet** synthetic turf/mat of fibers.

Cleaning agent

Re-usable tools must be cleaned carefully with CLEANER 40 or other suitable solvents (e.g. butyl acetate). Never use water or alcoholic solvents as cleaners!

Cured adhesive can only be removed mechanically.

Substrate condition

The joint tapes selected must be suitable for the use with polyurethane adhesives. If necessary, **adhesion tests** must be conducted.

The **temperature** of the **substrate** must be at least 5 °C above the current dew point temperature.

Pack size

CONIPUR 106 (N) is supplied in 13.2 kg working packs. Components A and B are supplied separately in the correct proportions.

Colour

pale green

Storage

Store in unopened pails under dry conditions at a temperature range of 5 - 25 °C.

Do not expose to direct sunlight.

Before use, please see "best before" date on the pail / drum.

Safety precautions

CONIPUR 106 (N) is non-hazardous in its cured condition.

For protective measures, transport regulations and waste management please refer to the Material Safety Data Sheet of the product.

CONIPUR 106 (N) meets the requirements of the EC directive 2004/42/EC.